WEAR CONTAMINATION FLUID CONDITION

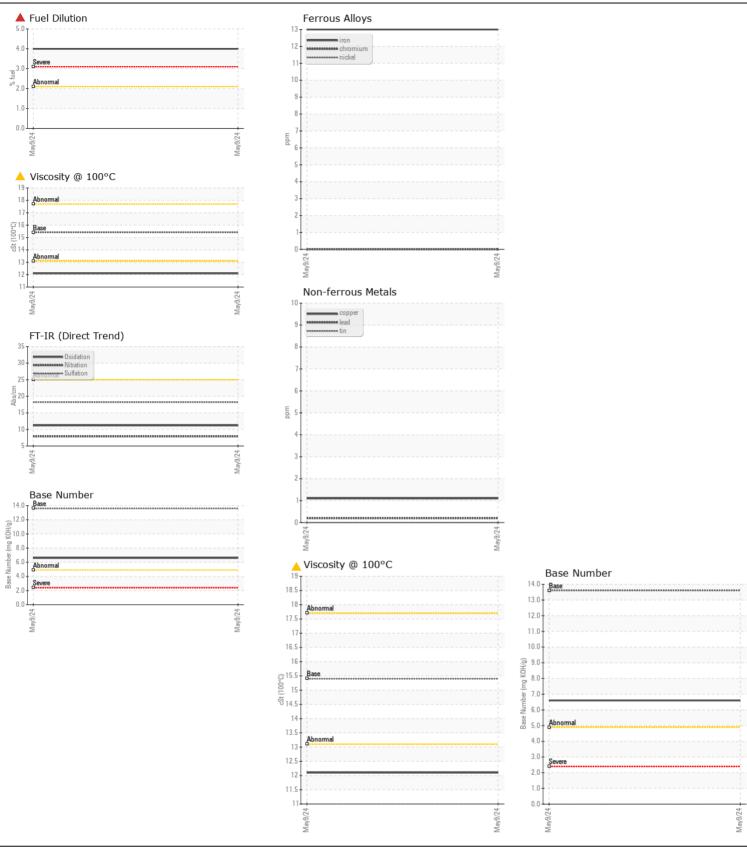
NORMAL SEVERE ABNORMAL

Machine Id

## JOHN DEERE 544L 400-002 (S/N 1DW544LZVLF705826)

## Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0214769		
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		09 May 2024		
	Machine Age	hrs	Client Info		5868		
	Oil Age	hrs	Client Info		5868		
	Filter Age	hrs	Client Info		5868		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				SEVERE		
WEAD	lvon		ACTM DE10Em	. 51	40		
WEAR	Iron	ppm	ASTM D5185m		13		
Metal levels are typical for a components first oil change.	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m	0	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	>4	0		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal		*Visual	NONE	NONE		
<u></u>		scalar	Visuai	NONL	INOINE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4		
	Potassium	ppm	ASTM D5185m	>20	0		
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Fuel	%	ASTM D3524	>2.1	<b>4.0</b>		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	7.9		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG		
THE CONDITION	015		AOTA DE40E	04	•		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2		
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		22		
	Barium	ppm	ASTM D5185m		0		
	Monganaga	ppm	ASTM D5185m		31		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		134		
	Calcium	ppm	ASTM D5185m		2203		
	Phosphorus	ppm	ASTM D5185m		931		
	Zinc Sulfur	ppm	ASTM D5185m		1036		
	Oxidation	ppm Abo/ 1mm	*ASTM D5185m	- OF	4042		
	Oxidation	Abs/.1mm	A311VI D/414	>20	11.2		
	Base Number (BN)	mg KOH/g	ASTM D2896	126	6.6		







Certificate L2367

Report Id: PLECLAJR [WUSCAR] 06175249 (Generated: 05/15/2024 09:16:19) Rev: 1

Laboratory Sample No.

Lab Number : 06175249 Unique Number : 11021302

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0214769 Received : 10 May 2024 **Tested** : 15 May 2024

Diagnosed : 15 May 2024 - Wes Davis Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

PLEASANT CONSTRUCTION INC

24024 FREDERICK RD CLARKSBURG, MD US 20871

Contact: HERBIE TRENT

T: (301)502-0163 F: